

PROCEEDINGS
OF THE
BIOLOGICAL SOCIETY OF WASHINGTON

A NEW NATALINE BAT FROM THE BAHAMAS.

BY GERRIT S. MILLER, JR.

[By permission of the Secretary of the Smithsonian Institution.]

While accompanying the Bahama Expedition of the Geographical Society of Baltimore, Mr. J. H. Riley obtained four specimens of a nataline bat easily distinguishable from the species hitherto known. They were taken in a cave near Sandy Point, at the southwest corner of Watlings Island. The animal may be known as:

***Chilonatalus tumidifrons*, sp. nov.**

Type.—Adult male (in alcohol) No. 122,024 United States National Museum. Collected on Watlings Island, Bahamas, July 12, 1903, by J. H. Riley. Original number 157.

Characters.—Not as small as *Chilonatalus micropus* and *C. brevimanus*, but forearm of about the same length as in the related species. Frontal gland extending from middle of forehead nearly to end of muzzle, and rising 5 mm. above level of eye. Skull and teeth essentially as in *Chilonatalus micropus*, but much less diminutive in size.

External form.—Except for the slight difference in size, the external appearance of *Chilonatalus tumidifrons* is closely similar to that of *C. micropus*. The forearm, however, is relatively shorter, and the ears are more evenly rounded off above. Lips and muzzle as in the related spe-

cies, except that projection above nostrils is narrower. Penis less than half as long as foot, and readily concealed by surrounding fur. Membranes in no way peculiar. Frontal gland at least four times as large as in *Chilonatalus micropus*, much longer and higher than wide. It extends from a point on forehead nearly level with middle of proencephalon to within 3 mm. of nostril, a distance of about 8 mm. Its greatest width is 3.8 mm.; and its height, measured from corner of eye is a little over 5 mm. Its surface is finely rugose, and naked except for a sprinkling of minute hairs.

Color.—The fur is everywhere cream-buff, that of the belly clear and unmixed with brown, that of the back clouded with broccoli-brown. Ears light yellowish brown, darkening at edges. Membranes dark brown.

Skull and teeth.—Except for their greater size the skull and teeth do not differ appreciably from those of *Chilonatalus micropus*.

Measurements.—Type: total length, 87; head and body, 40; tail, 47; tibia, 18; foot, 7; forearm, 32; first digit, 5; second digit, 34; third digit, 65; fourth digit, 48; fifth digit, 49; ear from meatus, 14; ear from crown, 11; width of ear, 16; skull, greatest length, 15.8; basal length, 14; basilar length, 13; zygomatic breadth, 7.4; greatest breadth of braincase, 6.6; mandible, 11.4; maxillary toothrow exclusive of incisors (alveoli), 6.8; mandibular toothrow exclusive of incisors (alveoli), 7.

Specimens examined.—Four (two skins), all from the type locality.